

Tue Aug 17 16:08:45 1999

US-09-049-847-1.rap

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MSPrch_p protein - protein database search, using Smith-Waterman algorithm
Run on: Tue Aug 17 15:50:57 1999; MasPar time 8.80 Seconds
Tabular output not generated. 85.967 Million cell updates/sec

Title: >US-09-049-847-1
Description: (1-15) from OS09049847.pep
Perfect Score: 104
Sequence: 1 QYKANSKFIGITEL 15

Scoring table: PAM 150
Gap 15

Searched: 411786 seqs, 50405085 residues

Post-processing: Minimum Match 08
Listing first 45 summaries

Database: a-pending
1: P9 2: 060 3: 07 4: 080 5: 081 6: 082 7: 083 8: 084 9: 084B
10: 085 11: 086 12: 087 13: 088 14: 089 15: 090 16: 091 17: 092
18: 093 19: MEM0 20: MEM06 21: MEM08 22: MEM09

Statistics: Mean 19.566; Variance 56.870; scale 0.344

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES


Result No.	Score	Query Match	Length	ID	Description	Pred. No.	
1	104	100.0	15	8	US-08-406-Sequence 2, Applicatio	2.56e-04	
2	104	100.0	15	1	PCT-US99-0	Sequence 2, Applicatio	2.56e-04
3	104	100.0	15	5	US-08-181-Sequence 6, Applicati	2.56e-04	
4	104	100.0	15	12	US-08-716-Sequence 4, Applicati	2.56e-04	
5	104	100.0	15	15	US-09-049-Sequence 1, Applicati	2.56e-04	
6	104	100.0	15	15	US-09-046-Sequence 2, Applicati	2.56e-04	
7	104	100.0	16	1	PCT-US99-0	Sequence 5, Applicati	2.56e-04
8	104	100.0	16	10	US-08-577-Sequence 1, Applicatio	2.56e-04	
9	104	100.0	17	7	US-08-328-Sequence 7, Applicatio	2.56e-04	
10	104	100.0	17	9	US-08-488-Sequence 4, Applicatio	2.56e-04	
11	104	100.0	17	9	US-08-472-Sequence 23, Applicati	2.56e-04	
12	104	100.0	17	6	US-08-229-Sequence 4, Applicati	2.56e-04	
13	104	100.0	17	6	US-08-245-Sequence 12, Applicati	2.56e-04	
14	104	100.0	17	12	US-08-718-Sequence 7, Applicatio	2.56e-04	
15	104	100.0	17	12	PCT-US94-0	Sequence 23, Applicati	2.56e-04
16	104	100.0	17	9	US-08-472-Sequence 4, Applicatio	2.56e-04	
17	104	100.0	17	4	US-08-057-Sequence 4, Applicatio	2.56e-04	
18	104	100.0	17	6	US-08-218-Sequence 7, Applicatio	2.56e-04	
19	104	100.0	17	4	US-08-060-Sequence 7, Applicatio	2.56e-04	
20	104	100.0	17	16	US-09-100-Sequence 40, Applicati	2.56e-04	
21	104	100.0	17	16	US-09-100-Sequence 32, Applicati	2.56e-04	

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23	104	100.0	25	22	US-09-060-Sequence 35, Applicati	2.56e-04	
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25	104	100.0	25	22	US-09-060-Sequence 34, Applicati	2.56e-04	
26	104	100.0	27	1	PCT-US94-0	Sequence 13, Applicati	2.56e-04
27	104	100.0	27	9	US-08-488-Sequence 13, Applicati	2.56e-04	
28	104	100.0	27	12	US-08-718-Sequence 18, Applicati	2.56e-04	
29	104	100.0	27	6	US-08-218-Sequence 18, Applicati	2.56e-04	
30	104	100.0	27	7	US-08-057-Sequence 13, Applicati	2.56e-04	
31	104	100.0	27	7	US-08-328-Sequence 18, Applicati	2.56e-04	
32	104	100.0	29	7	US-08-128-Sequence 37, Applicati	2.56e-04	
33	104	100.0	29	12	US-08-718-Sequence 37, Applicati	2.56e-04	
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37	104	100.0	37	9	US-08-488-Sequence 63, Applicati	2.56e-04	
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ALIGNMENTS

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DT xx
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Sequence 2, Application US/08406916B
DE
XX
Sequence 2, Application US/08406916B
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GENERAL INFORMATION:
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APPLICANT: STEVENS, VERNON C.
CC
TITLE OF INVENTION: VACCINES AND ANTIGENIC CONJUGATES
CC
NUMBER OF SEQUENCES: 31
CC
CORRESPONDENCE ADDRESS:
CC
ADDRESSER: MILLARD, SIDNEY W.
CC
STREET: 7632 STATE RIDGE BOULEVARD
CC
CITY: REYNOLDSBURG
CC
STATE: OHIO
CC
COUNTRY: USA
CC
ZIP: 43068
CC
COMPUTER READABLE FORM:
CC
MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB
CC
COMPUTER: IBM PS/2 COMPATIBLE 486 DX 33
CC
OPERATING SYSTEM: MS DOS 6.2
CC
SOFTWARE: NORDRECHT FOR MS DOS 5.1
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CURRENT APPLICATION DATA:
CC
APPLICATION NUMBER: US/08/406, 916B
CC
FILING DATE: 27 MAR 1995
CC
PRIOR APPLICATION DATA:
CC
APPLICATION NUMBER: PCT/US92/08370
CC
FILING DATE: 30 SEP 1992
CC
ATTORNEY/AGENT INFORMATION:
CC
NAME: KREMBLAS, FRANCIS T., JR.
CC
REGISTRATION NUMBER: 22,773
CC
REFERENCE/DOCKET NUMBER: URF 2 056 3 3 3
CC
TELECOMMUNICATION INFORMATION:
CC
TELEPHONE: (614) 575 2100
CC
TELEFAX: (614) 575 2149
CC
INFORMATION FOR SEQ ID NO: 2:
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SEQUENCE CHARACTERISTICS:
CC
LENGTH: 15 amino acids
CC
TYPE: amino acid
CC
TOPOLOGY: linear
CC
MOLECULE TYPE:

Page 4



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CC CC TITLE OF INVENTION: IMMUNOGENS FOR THE TREATMENT OF ALLERGY
CC CC NUMBER OF SEQUENCES: 61
CC CC CORRESPONDENCE ADDRESS:
CC CC ADDRESSEE: Maria C.H. Lin
CC CC STREET: 345 Park Avenue
CC CC CITY: New York
CC CC STATE: NY
CC CC COUNTRY: USA
CC CC ZIP: 10154
CC CC COMPUTER READABLE FORM:
CC CC MEDIUM TYPE: Floppy disk
CC CC COMPUTER: IBM PC compatible
CC CC OPERATING SYSTEM: PC-DOS/MS-DOS
CC CC SOFTWARE: Wordperfect 5.1
CC CC CURRENT APPLICATION DATA:
CC CC APPLICATION NUMBER: US/08/328,912B
CC CC FILING DATE: 25-OCT-1994
CC CC CLASSIFICATION: 424
CC CC PRIOR APPLICATION DATA:
CC CC APPLICATION NUMBER: US 08/218,461
CC CC FILING DATE: 28-MAR-1994
CC CC PRIOR APPLICATION DATA:
CC CC APPLICATION NUMBER: US 08/060,798
CC CC FILING DATE: 10-MAY-1993
CC CC PRIOR APPLICATION DATA:
CC CC APPLICATION NUMBER: US 07/847,745
CC CC FILING DATE: 06-MAR-1992
CC CC PRIOR APPLICATION DATA:
CC CC APPLICATION NUMBER: US 07/637,364
CC CC FILING DATE: 04-JAN-1991
CC CC ATTORNEY/AGENT INFORMATION:
CC CC NAME: Maria C.H. Lin
CC CC REGISTRATION NUMBER: 29,323
CC CC REFERENCE/DOCKET NUMBER: 1151-4061US4
CC CC TELECOMMUNICATION INFORMATION:
CC CC TELEPHONE: 212-758-4800
CC CC TELEFAX: 212-751-8849
CC CC INFORMATION FOR SEQ ID NO: 7:
CC CC SEQUENCE CHARACTERISTICS:
CC CC LENGTH: 17
CC CC TYPE: amino acid
CC CC STRANDEDNESS: not applicable
CC CC TOPOLOGY: unknown
CC CC MOLECULE TYPE: Peptide
CC CC SEQUENCE: 17 AA; 1981 MW; 1619 CN;
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CC CC Query Match 100.0%; Score 104; DB 7; Length 17;
CC CC Best local Similarity 100.0%; Pred. No. 2,56e-04;
CC CC Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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CC CC 3 QYKANSKFQITEL 17
CC CC ||||||||||||
CC CC 1 QYKANSKFQITEL 15
QY
CC CC RESULT 10
CC CC ID US-08-488-320A-4 STANDARD; PRT: 17 AA.
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CC CC xxxxxx
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CC CC Sequence 4, Application US/08488320A
CC CC
CC CC GENERAL INFORMATION:
CC CC APPLICANT: Laod, Anna
CC CC APPLICANT: Wang, Chang Yi
CC CC TITLE OF INVENTION: Immunogenic Peptides Which Contain LHRH
CC CC TITLE OF INVENTION: And A Helper T-Cell Epitope For Treatment Of Prostate
CC CC TITLE OF INVENTION: And Induction Of Infertility
CC CC NUMBER OF SEQUENCES: 114

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Tue Aug 17 16:08:45 1999

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Page 5

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CC CC CORRESPONDENCE ADDRESS:  
CC CC ADDRESSEE: MORGAN & FINNEGAN  
CC CC STREET: 345 PARK AVENUE  
CC CC CITY: NEW YORK  
CC CC STATE: NEW YORK  
CC CC COUNTRY: U.S.A.  
CC CC ZIP: 10154  
CC CC COMPUTER READABLE FORM:  
CC CC MEDIUM TYPE: Floppy disk  
CC CC COMPUTER: IBM PC compatible  
CC CC OPERATING SYSTEM: PC-DOS/MS-DOS  
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CC CC FILING DATE: 07-JUN-1995  
CC CC APPLICATION NUMBER: 08/229,275  
CC CC FILING DATE: 14-APR-1994  
CC CC APPLICATION NUMBER: 08/057,166  
CC CC FILING DATE: 27-APR-1993  
CC CC ATTORNEY/AGENT INFORMATION:  
CC CC NAME: Maria C. H. Lin  
CC CC REGISTRATION NUMBER: 29,323  
CC CC REFERENCE/DOCKET NUMBER: 1151-41460S4  
CC CC TELECOMMUNICATION INFORMATION:  
CC CC TELEPHONE: (212)758-4800  
CC CC TELEFAX: (212)751-6849  
CC CC TELEX: 421792  
CC CC INFORMATION FOR SEQ ID NO: 4:  
CC CC SEQUENCE CHARACTERISTICS:  
CC CC LENGTH: 17 amino acids  
CC CC TYPE: amino acid  
CC CC TOPOLOGY: linear  
CC CC MOLECULE TYPE: peptide  
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Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
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1 QYKANSKFIGITEL 15  
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XX xxxxxx  
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XX  
DE Sequence 23, Application US/08472701  
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CC Sequence 23, Application US/08472701  
CC GENERAL INFORMATION:  
CC APPLICANT: Cliffin, Ann C.  
CC APPLICANT: Hickey, William F.  
CC TITLE OF INVENTION: Detection and Treatment Methods for  
CC TITLE OF INVENTION: Type I Diabetes  
CC NUMBER OF SEQUENCES: 23  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: LAHIVE & COCKFIELD  
CC STREET: 60 State Street, suite 510  
CC City: Boston  
CC STATE: Massachusetts  
CC COUNTRY: USA  
CC ZIP: 02109-1875
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CC CLASSIFICATION: 435
CC PRIOR APPLICATION DATA:
CC APPLICATION NUMBER: US 08/272,220
CC FILING DATE: 08-JULY-1994
CC CLASSIFICATION: 435
CC ATTORNEY/AGENT INFORMATION:
CC NAME: DeConti, Giulio A., JR.
CC REGISTRATION NUMBER: 31,503
CC REFERENCE/DOCKET NUMBER: DCI-092DV
CC TELECOMMUNICATION INFORMATION:
CC TELEPHONE: (617)227-7400
CC TELEFAX: (617)227-5941
CC INFORMATION FOR SEQ ID NO: 23:
CC SEQUENCE CHARACTERISTICS:
CC LENGTH: 17 amino acids
CC TYPE: amino acid
CC TOPOLOGY: linear
CC MOLECULE TYPE: peptide
CC FRAGMENT TYPE: internal
CC SEQUENCE
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Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 QYKANSKFISITEL 15

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XX AC xxxxxx
XX DT
XX DE
XX Sequence 4, Application US/08229275
XX CC GENERAL INFORMATION:
XX CC APPLICANT: Ladd, Anna
XX CC APPLICANT: Wang, Chang YI
XX CC APPLICANT: Zamb, Timothy
XX CC TITLE OF INVENTION: Immunogenic LHRH peptide constructs as
XX CC TITLE OF INVENTION: vaccines for treatment of prostate cancer and induction
XX CC TITLE OF INVENTION: infertility
XX CC NUMBER OF SEQUENCES: 53
XX CC CORRESPONDENCE ADDRESS:
XX CC ADDRESSEE: M. Lisa Wilson
XX CC STREET: 25 Davids Drive
XX CC CITY: Hauppauge
XX CC STATE: NY
XX CC COUNTRY: US
XX CC ZIP: 11788
XX CC COMPUTER READABLE FORM:
XX CC MEDIUM TYPE: Floppy disk
XX CC COMPUTER: IBM PC compatible
XX CC OPERATING SYSTEM: PC-DOS/MS-DOS
XX CC SOFTWARE: Patentin Release #1.0, Version #1.25
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XX CC FILING DATE: 13-APR-1994
XX CC CLASSIFICATION: 424
XX CC ATTORNEY/AGENT INFORMATION:

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CC	ANTI-SENSE: NO			
CC	ORIGINAL SOURCE:			
CC	INDIVIDUAL ISOLATE:	T antigen	TT2 peptide	
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CC	APPLICANT: United Biomedical, Inc. & WANG, Chang yi			
CC	TITLE OF INVENTION: SYNTHETIC PEPTIDE BASED			
CC	TITLE OF INVENTION: IMMUNOGENS FOR THE TREATMENT OF ALLERGIC			
CC	NUMBER OF SEQUENCES: 62			
CC	CORRESPONDENCE ADDRESS:			
CC	ADDRESSEE: Maria C.H. Lin			
CC	STREET: 345 Park Avenue			
CC	CITY: New York			
CC	STATE: NY			
CC	COUNTRY: USA			
CC	ZIP: 10154			
CC	COMPUTER READABLE FORM:			
CC	MEDIUM TYPE: Floppy disk			
CC	COMPUTER: IBM PC compatible			
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CC	FILING DATE: 24-MAR-1995			
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CC	APPLICATION NUMBER: US 08/328,912			
CC	FILING DATE: 25-OCT-1994			
CC	PRIOR APPLICATION DATA:			
CC	APPLICATION NUMBER: US 08/218,461			
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CC	APPLICATION NUMBER: US 08/060,798			
CC	FILING DATE: 10-MAY-1993			
CC	PRIOR APPLICATION DATA:			
CC	APPLICATION NUMBER: US 07/847,745			
CC	FILING DATE: 06-MAR-1992			
CC	PRIOR APPLICATION DATA:			
CC	APPLICATION NUMBER: US 07/637,364			
CC	FILING DATE: 04-JAN-1991			
CC	ATTORNEY/AGENT INFORMATION:			
CC	NAME: Maria C.H. Lin			
CC	REGISTRATION NUMBER: 29,323			
CC	REFERENCE/DOCKET NUMBER: 1151-4061054			
CC	TELECOMMUNICATION INFORMATION:			
CC	TELEPHONE: 212-758-4800			
CC	TELEFAX: 212-751-6849			
CC	INFORMATION FOR SEQ ID NO: 7:			
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CC	STRANDEDNESS: not applicable			

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 Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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 XX xxxxxx

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XX Sequence 4, Application PC/TUS9404832A
 CC GENERAL INFORMATION:

CC APPLICANT: Ladd, Anna
 CC APPLICANT: Wang, Chang YI
 CC APPLICANT: Zamb, Timothy
 CC TITLE OF INVENTION: Immunogenic IHRH peptide constructs
 CC TITLE OF INVENTION: and synthetic universal immune stimulators for vaccines
 CC NUMBER OF SEQUENCES: 114
 CC CORRESPONDENCE ADDRESS:

CC ADDRESSEE:
 CC STREET: 400 Garden City Plaza
 CC City: Garden City
 CC STATE: NY
 CC COUNTRY: US
 CC ZIP: 11530

CC COMPUTER READABLE FORM:
 CC MEDIUM TYPE: Floppy disk
 CC COMPUTER: IBM PC compatible
 CC OPERATING SYSTEM: PC-DOS/MS-DOS
 CC SOFTWARE: Patentin Release #1.0, Version #1.25
 CC CURRENT APPLICATION DATA:
 CC APPLICATION NUMBER: PCT/US94/04832A
 CC FILING DATE: 13-APR-1994
 CC CLASSIFICATION:

CC ATTORNEY/AGENT INFORMATION:

CC NAME:

CC REGISTRATION NUMBER:

CC REFERENCE/DOCKET NUMBER:

CC TELECOMMUNICATION INFORMATION:

CC TELEPHONE: (516)742-4343

CC TELEFAX: (516)742-4366

CC INFORMATION FOR SEQ ID NO: 4:

CC SEQUENCE CHARACTERISTICS:

CC LENGTH: 17 amino acids

CC TYPE: amino acid

CC TOPOLOGY: linear

CC MOLECULE TYPE: peptide

SQ SEQUENCE 17 AA; 1981 MW; 1619 CN;

Query Match 100.0%; Score 104; DB 1; Length 17;

Best Local Similarity 100.0%; Pred. No. 2,56e-04;

Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

DB 3 QYIKANSKFIGITEL 17
 QY 1 QYIKANSKFIGITEL 15

Search completed: Tue Aug 17 15:52:10 1999
 Job time : 73 secs.